



#16

SEQUENCE LISTING

<110> COLLIER, G

ZIMMET, P Z

<120> A NOVEL GENE AND USES THEREFOR

<130> ejh/af

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<150> PP0117

<151> 1997-10-31

<150> PP0323

<151> 1997-11-11

<160> 14

<170> PatentIn Ver. 2.0

<210> 1

<211> 342

<212> DNA

<213> Psammomys obesus

<220>

<221> CDS

<222> (29) .. (247)

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gttccaggag attacagctc cagccaca atg att gag gtg gtt tgc aac gac 52

Met Ile Glu Val Val Cys Asn Asp

1

5

cgt cta gga aag aaa gtc cgc gtt aag tgc aac acc gat gac acc atc 100

Arg Leu Gly Lys Lys Val Arg Val Lys Cys Asn Thr Asp Asp Thr Ile

10

15

20

ggg gac ttg aag aaa ctg ata gcg gcc caa act ggc a ct cgt tgg aat 148

Gly Asp Leu Lys Lys Leu Ile Ala Ala Gln Thr Gly Thr Arg Trp Asn

25

30

35

40

aag atc gtt ctt aaa aag tgg tac acg att ttt aag gac cat gta tct 196

Lys Ile Val Leu Lys Lys Trp Tyr Thr Ile Phe Lys Asp His Val Ser

45

50

55

ctg gga gat tat gaa atc cac gat ggg atg aac ctg gag ctt tat tac 244

Leu Gly Asp Tyr Glu Ile His Asp Gly Met Asn Leu Glu Leu Tyr Tyr

60

65

70

cag tagaggggaa ttccctccacc ttgcccaccc ttgctttcct ctcccatggc 297

Gln

tcatttaaca ctgttgtaga tgctcatttt tttgttaagt gtact 342

<210> 2

<211> 73

<212> PRT

<213> Psammomys obesus

<400> 2

Met Ile Glu Val Val Cys Asn Asp Arg Leu Gly Lys Lys Val Arg Val

1

5

10

15

Lys Cys Asn Thr Asp Asp Thr Ile Gly Asp Leu Lys Lys Leu Ile Ala

20

25

30

Ala Gln Thr Gly Thr Arg Trp Asn Lys Ile Val Leu Lys Lys Trp Tyr

35

40

45

Thr Ile Phe Lys Asp His Val Ser Leu Gly Asp Tyr Glu Ile His Asp

50

55

60

Gly Met Asn Leu Glu Leu Tyr Tyr Gln

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70

<210> 3

<211> 391

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

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ccaaacgttg ctggcagatc ctttctttca ggcgcaattc acgttgtggc tactgtggta 120

gccccgaac ttctttgact atcgccgggt ttgaccgtga gcaaccttat t ctagcaaga 180

atttttcacc atgtgctaaa aattcctgggt acatagagac cctctaatac tttaggtgct 240

accctacttg gacctcgaaa taatggatcat ctccccttaa ggaggtggaa cggtgttgaa 300

cgaaaggaga gggtagcgag taaattgtga caacatctac gagtaaaaaa acaattcaca 360

tgaataaaaa ctttgatgct gcaaaaaaaaa a

391

<210> 4

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

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aagctttttt tttttg

16

<210> 5

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 5

aagcttcggg taa

13

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 6

agtccgcgtt aagtgaaca

20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 7

ctccagggtc atcccatcgt

20

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 8

ggctacagct tcaccaccac

20

<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 9

gcttgctgat ccacatctgc

20

<210> 10

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 10

tgtaataaaa gctccaggtt catcccatcg

30

<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 11

caaactggca ctcgttgga

20

<210> 12

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic

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gttgggcaag gtggagga a

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<210> 13

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(99)

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atg atc gag gtt gtt tgc aac gac cgt ctg ggg aaa aag gtc cnc gtt 48

Met Ile Glu Val Val Cys Asn Asp Arg Leu Gly Lys Lys Val Xaa Val

1

5

10

15

aaa tgc aac acg gat gat acc atc ggg gac ctt aag aag ctg att gca 96

Lys Cys Asn Thr Asp Asp Thr Ile Gly Asp Leu Lys Lys Leu Ile Ala

20

25

30

gcc taa

102

Ala

<210> 14

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> misc. feature

<222> (15) . . . (15)

<223> Xaa is any amino acid

<400> 14

Met Ile Glu Val Val Cys Asn Asp Arg Leu Gly Lys Lys Val Xaa Val

1

5

10

15

Lys Cys Asn Thr Asp Asp Thr Ile Gly Asp Leu Lys Lys Leu Ile Ala

20

25

30

Ala